

Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS

Motor type: FS: 184T - 4p - 5 hp -

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks	
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Electrical data Class I Division 1 Groups D

Class I Division 1 Groups D

[illegible]

Frame Type: 184T	Type of constr.: (A) Foot mounted - End shield	Ins. Cl.:Insulation class F	Motor Prot.:(A) No winding protection	NEMA Des.: B	S.F.: 1.15
Mtr. WT:125		Temp. Rise Cl.: B	Amb. Temp.: + to -20 °C @1000 m	kVA: J	I.P.: IP65

Mechanical data

Sound level (SPL / SWL) at 60 Hz								57.0 dB(A) / 67.0 dB(A)		Thickener		Polyurea	
Octave Band Center Frequencies Hertz										Safe Stall Time Hot		14 s	
250		500		1000		2000		4000		8000		Hz	
SPL@3								dB(A)		Safe Stall Time Cold		29 s	
Moment of inertia								0.3 Lb-ft²		Frame material		cast iron	
Ext Load Inertia Capability:								27.0 Lb ft²		Color, paint shade			
Coating (paint finish)										Ventilation Type			
Bearing										Method of cooling		TEFC	
Bearing DE NDE				6206 Z C3 S0				6206 Z C3 S0		Direction of rotation		Bidirectional	
Bearing_Type				Ball Bearing				Ball Bearing		Fan Material		Polypropylen ESD	
AFBMA:				30BC02JP30				30BC02JP30		VFD		CT: 4:1 VT: 20:1	
Grease										Space heaters		without	
Capacity				0.20 oz				0.20 oz		Brake:		-/-	
Grease Type:								Exxon Mobile EM					

Terminal box

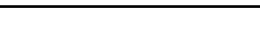
Lead Wire Connection		9 LEAD - WYE			Terminal box position	(3) Mounting - F-1
Voltage	L1	L1	L1	Connected together	Material of terminal box	
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6	Cable entry	-/-
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9		

Notes:

I_R/I_N = locked rotor current / current nominal	3) Value is valid only for DOL operation with motor design IC411
M_R/M_N = locked rotor torque / torque nominal	2) at rated power / at full load
M_B/M_N = break down torque / nominal torque	

3) Value is valid only for DOL operation with motor design IC411
2) at rated power / at full load

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	Technical data are subject to change! There may be discrepancies <i>Technische Daten sind ohne Gewähr! Es kann zu Abweichungen kommen!</i>
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	document type	document status		customer	
	datasheet	released			
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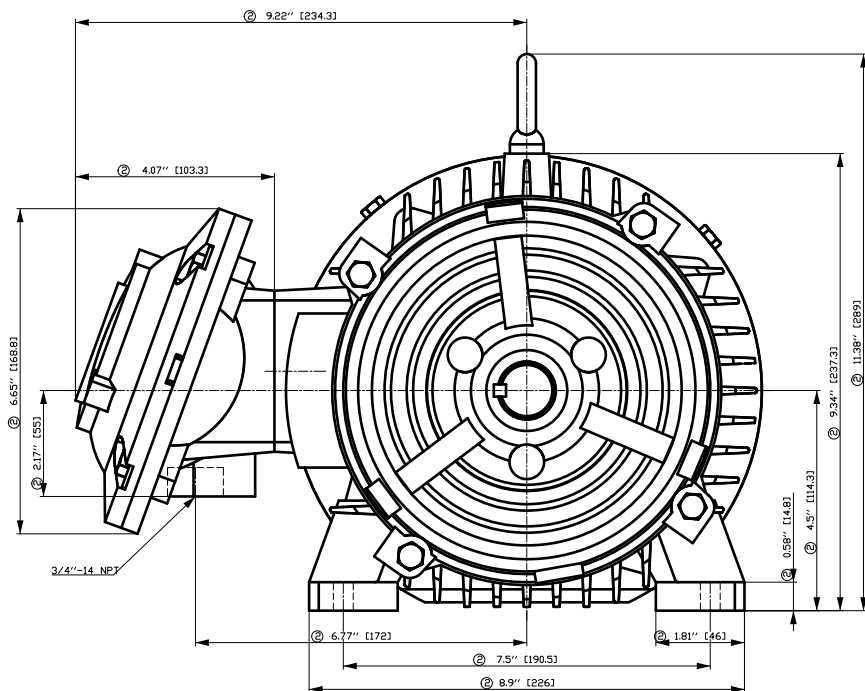
Motor type: FS: 184T - 4p - 5 hp -

Special design

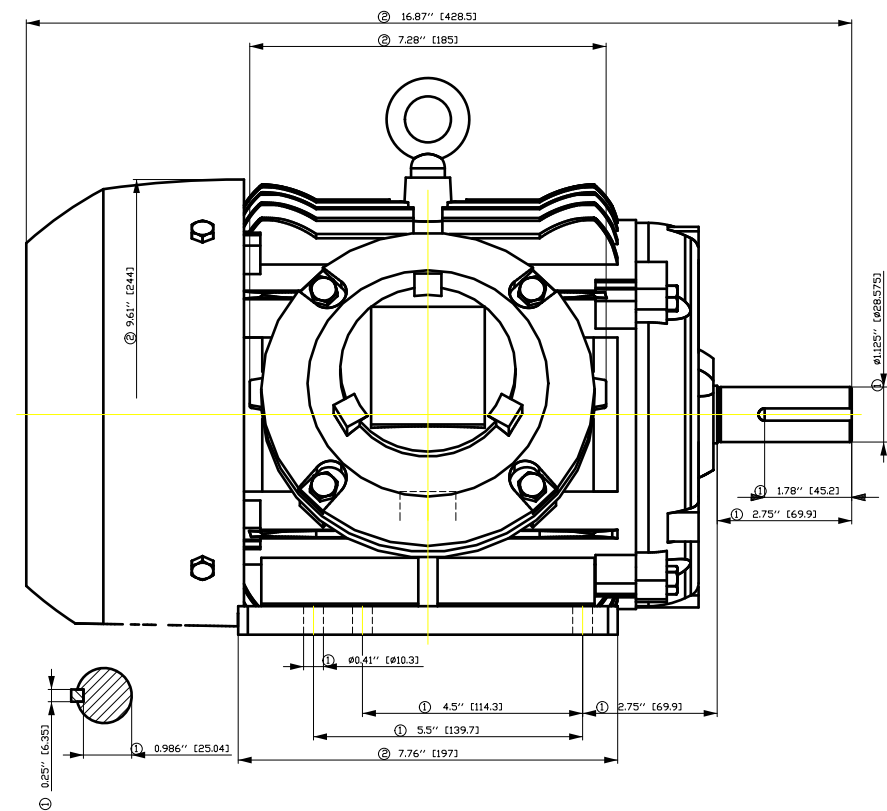
B09	Export packing sea freight - Siemens standard
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Notes:

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	Technical data are subject to change! There may be discrepancies between calculated and actual data before			
	document type datasheet			document status released		customer	
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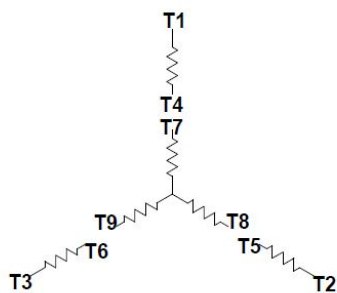


- ① Tolerances according to NEMA std.
- ② All these dimensions corresponding to assemblies and castings shall have a tolerance as per DIN standard 1686-GTB 19.
- ③ Not according to NEMA std.



Tolerance	Surface	Material	Weight	Scale
1MB2221-1CB31-4AA3-Z B09	Author Creator Approval Department Change Order	Dimensional drawing Maßzeichnung		
SIEMENS	Doc. State	4/21/21	Item No	Paper Size
	Revision	Index	Doc No	1st Language
			2nd Language	
			Sheet	1 of 1
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Main terminal diagram



9 LEAD WYE						
Volts	LINES			CONNECTED TOGETHER	CONN.	
	L1	L2	L3			
LOW	T1 T7	T2 T6	T3 T9	T4 T5 T6	Y Y	
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9	Y	

responsible dep.
DI MC LVM

technical reference

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Project

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document type

Wiring Diagram

title

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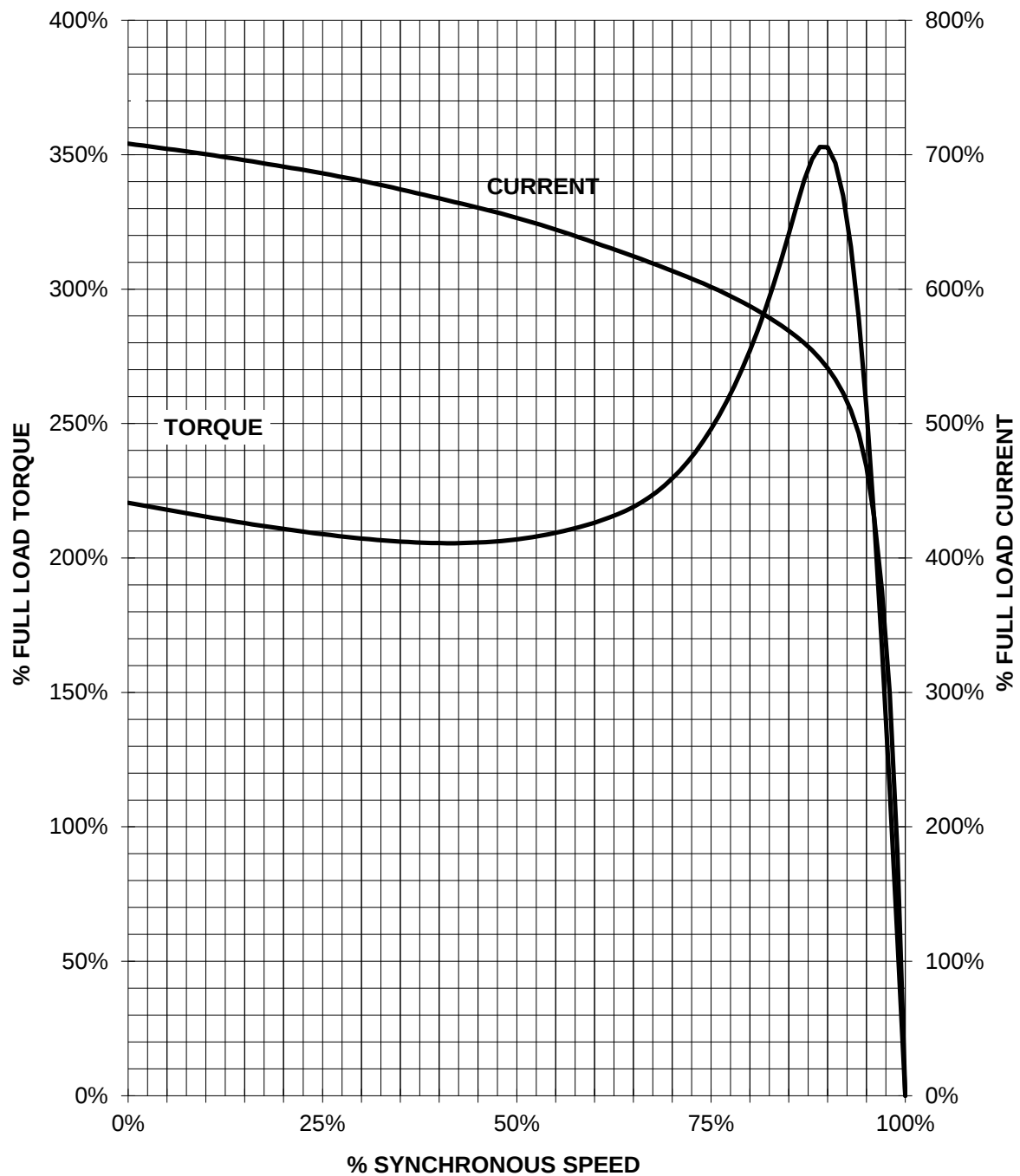
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SIEMENS INDUSTRY, INC.

HP 5 VOLTS <600 RPM 1800 TYPE XP100 1D1
HZ 60 PHASE 3 FRAME 184T NEMA B

TORQUE & CURRENT VS. SPEED

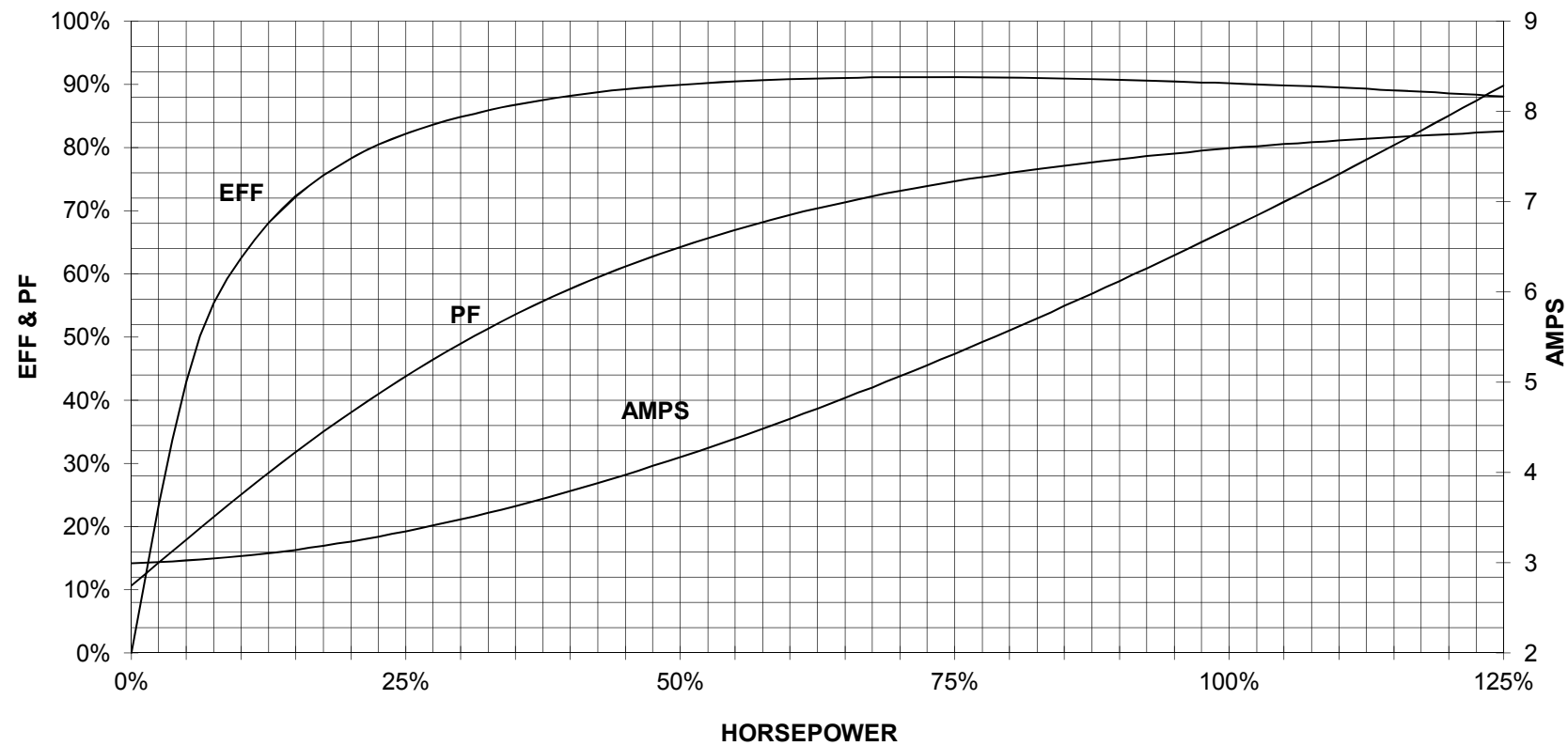


CUSTOMER: _____ ORDER#: _____

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REV. 1

5 HP 1800 RPM 184T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
XP100 1D1



CUSTOMER _____ ORDER # _____ PO # _____

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